

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 December 2003 (24.12.2003)

PCT

(10) International Publication Number
WO 03/106705 A1

- (51) International Patent Classification⁷: **C12Q 1/68**, G01N 33/50, A01K 67/027, C12N 15/85, 5/06 (74) Agent: **E. BLUM & CO.**; Vorderberg 11, CH-8044 Zürich (CH).
- (21) International Application Number: PCT/CH03/00377 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 12 June 2003 (12.06.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/388,483 13 June 2002 (13.06.2002) US (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): **MILLENIUM BIOLOGIX AG** [CH/CH]; Wagistrasse 23, CH-8952 Schlieren (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **FULDE, Fabienne**, Andrea [DE/CH]; Scheffelstrasse 12, CH-8037 Zürich (CH). **HAGG, Rupert** [DE/CH]; Roggenweg 10, CH-8405 Winterthur (CH). **TOMMASINI, Roberto** [IT/CH]; Mattenweg 14, CH-8610 Uster (CH).
- Published:**
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: IN VITRO SCREENING OF CELLULAR EVENTS USING 3D CELL CULTURE SYSTEMS

(57) **Abstract:** The present invention relates to in vitro cell culture conditions wherein transfected cells containing promoter-reporter constructs are cultivated in a 3D tissue-like environment. The referred 3D culture conditions may eventually implement appropriate biomaterial or scaffolds.

WO 03/106705 A1